Draft 5/26/05 **Attorney Docket No. HOS-62**
MAIL STOP AMENDMENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Group Art Unit: 1771
MORITA; MUROI; KAKUTA	)	Examiner: Hai Vo
Serial No. 09/996,777	)	
Filed: November 30, 2001	)	

For: **MULTIPLE LAYERS LAMINATED POLYOLEFIN FOAM**

Appendix A

Please amend the following claims as indicated in the following claims according to 37 C.F.R. § 1.121 concerning a manner for making claim amendments.

1. (Currently amended) A multiple ~~layers~~ layered laminated polyolefin foam having a plurality of polyolefin layers laminated on at least one side of a ~~non-crosslinked~~ polyolefin foam by a co-extrusion foaming method and wherein the polyolefin foam has a boiling xylene insoluble content of 0 to 5wt%, said polyolefin foam comprising:

an outermost layer ~~constituting said~~ formed from one of the plurality of polyolefin layers,

an innermost layer ~~constituting said~~ formed from one of the plurality of polyolefin layers,

wherein ~~the~~ a thickness of the outermost layer ~~constituting said plurality of polyolefin layers~~ is 5 to 80 μm, and ~~the~~ a density d (g/L) of said polyolefin foam, ~~the~~ a melt flow rate X (g/10 min) of ~~the~~ a polyolefin resin constituting the innermost layer ~~among said plurality of polyolefin layers~~, and ~~the~~ a thickness Y (μm) of the innermost layer ~~of said plurality of polyolefin layers~~ satisfy the following relationships (1) to (4):

$$Y \leq 0.29\ d\ X \quad \ldots(1)$$

$$5 \leq X \leq 40 \quad \ldots(2)$$

$$70 \leq Y \leq 300 \quad \ldots(3)$$

$$100 \leq d \leq 300 \quad \ldots(4)$$

wherein a thickness of ~~an~~ the entire laminated foam is 3 to 8 mm and a closed cell ratio of the laminated foam is no less than 60%,

wherein the outermost layer contains a ~~polymer~~ polymeric-type antistatic agent so that a surface layer resistivity is no more than $1 \times 10^{13}\Omega$,

wherein a ratio (α/β) of a melt flow rate (α) of the ~~polymer~~ polymeric-type antistatic agent and a melt flow rate (β) of ~~the~~ a base resin ~~constituting~~ of the outermost layer ~~among~~

~~the polyolefin layers~~ is no less than 0.5 and β is 3 to 35 g/10 min.

2. (Currently amended) The multiple ~~layers~~ layered laminated polyolefin foam according to claim 1, wherein the density d (g/L) of the polyolefin foam is 120 to 300 g/L, the melt flow rate X (g/10 min) of the polyolefin resin constituting the innermost layer ~~among the polyolefin layers~~ is 8 to 40 g/10 min, and the thickness Y (μm) of the innermost layer ~~among the polyolefin layers~~ is no more than 0.26dX.

3. (Currently amended) The multiple ~~layers~~ layered laminated polyolefin foam according to claim 1, wherein the base resin ~~constituting the polyolefin foam and the polyolefin layers in the multiple layers laminated polyolefin foam~~ is ~~of at least one type~~ selected from the group consisting of polypropylenes , ~~and~~ polyethylenes and mixtures thereof.

Claims 4-15 (Cancelled)

16. (Currently amended) The multiple ~~layers~~ layered laminated polyolefin foam according to claim 1, wherein the

~~polymer-type~~ polymeric-type antistatic agent comprises a compound ~~of at least one type~~ selected from the group consisting of polyetheresteramides and polyethers as ~~the~~ a main component.

17. (Currently amended) The multiple ~~layers~~ layered laminated polyolefin foam according to claim 16, wherein the polyetheresteramide is a polymer obtained by polymerization reaction of a polyamide with an alkylene oxide adduct of a bisphenol.

18. (Currently amended) The multiple ~~layers~~ layered laminated polyolefin foam according to claim 17, wherein the polyamide is ~~of at least one type~~ selected from the group consisting of caprolactam polymer, 12-aminododecanoic acid polycondensate, and adipic acid-hexamethylene diamine polycondensate.

19. (Currently amended) The multiple ~~layers~~ layered laminated polyolefin foam according to claim 16, wherein the polyether is a compound having at least two quaternary ammonium bases and is ~~the~~ a reaction product of (a) an oxyalkylene ether obtained by addition reaction of an alkylene oxide with a phenol-divinyl benzene addition polymer, (b) one type of glycidyl ether selected from the group consisting of glycidyl

ethers of polyoxyalkylene glycols and glycidyl ethers of adducts of phenols and alkylene oxides, an amine compound having an aliphatic hydrocarbon group containing 1 to 22 carbon atoms, and a quaternizing agent.

20. (Currently amended) The multiple ~~layers~~ layered laminated polyolefin foam according to claim 19, wherein (a) the polyoxyalkylene ether is an adduct obtained by the addition reaction of ethylene oxide and a copolymer of ethylene oxide and propylene oxide with a bisphenol-divinyl benzene addition polymer, (b) the glycidyl ether of polyoxyalkylene glycol is glycidyl ether of polyoxyethylene glycol, and the adduct of a phenol and an alkylene oxide is an adduct of bisphenol and ethylene oxide.

21. (Currently amended) The multiple ~~layers~~ layered laminated polyolefin foam according to claim 1, wherein the ~~polymer-type~~ polymeric-type antistatic agent is present in the outermost polyolefin layer in an amount of from 2 to 30 wt.%.

22. (Currently amended) The multiple ~~layers~~ layered laminated polyolefin foam according to claim 16, wherein the ~~polymer-type~~ polymeric-type antistatic agent is present in the outermost polyolefin layer in an amount of from 2 to 30 wt.%.

Claims 23-24 (Cancelled)

25. (Currently amended) The multiple ~~layers~~ layered laminated polyolefin foam according to claim 1 wherein the closed cell ratio of the laminated foam is at least no less than 70%.

26. (Currently amended) The multiple ~~layers~~ layered laminated polyolefin foam according to claim 1 wherein the closed cell ratio of the laminated foam is at least no less than 80%.

Claims 27-29 (Cancelled)